

## CLAIMS

What is claimed is:

1. A cross-platform system-fault warning method for use with a cluster of server platforms in a network system for generating a warning message to a plurality of workstations linking to these server platforms in the event of an abnormal operating condition in any one of the server platforms;

the cross-platform system-fault warning method comprising the step of:

- (1) continually detecting whether any one of the server platforms has an abnormal operating condition; if yes, generating a text-based system-fault indicating file;
- 10 (2) transferring the text-based system-fault indicating file to a warning-message database, which stores a mapping table of warning messages toward text-based system-fault indicating files;
- (3) from the warning-message database, retrieving a warning message corresponding to the system-fault indicating file; and
- 15 (4) transferring the warning message retrieved from the warning-message database via the network system to the workstations.

2. The cross-platform system-fault warning method of claim 1, wherein in said step (2), the text-based system-fault indicating file is transferred via FTP to the warning-message database.

- 20 3. The cross-platform system-fault warning method of claim 1, wherein in said step (4), the warning message is transferred in e-mail via the network system to the workstations.

4. A cross-platform system-fault warning system for use with a cluster of server platforms in a network system for generating a warning message to the workstations linking to these server platforms in the event of an abnormal operating condition in any one of the server platforms;
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the cross-platform system-fault warning system comprising:

(a) a plurality of fault detection modules, each of which is integrated in one of the server platforms for detecting whether the associated one of the server platforms has an abnormal operating condition, and if yes, capable of generating a text-based system-fault indicating file;

5 (b) a warning-message database, which stores a mapping table of warning messages toward system-fault indicating files, and which is linked to all the fault detection modules to receive the system-fault indicating file and capable of retrieving the corresponding warning message mapped to the received system-fault indicating file; and

(c) a warning-message sender, which is internally linked to the warning-message  
10 database and externally linked to the network system, for transferring the warning message via the network system to the workstations.

5. The cross-platform system-fault warning system of claim 4, wherein the system-fault indicating file is transferred via FTP to the warning-message database.

6. The cross-platform system-fault warning system of claim 4, wherein the warn-  
15 ing-message sender is an e-mail server, which is capable of transferring the warning message in e-mail via the network system to the workstations.

7. A cross-platform system-fault warning system for use with a cluster of server plat-  
forms in a network system for generating a warning message to the workstations linking to  
these server platforms in the event of an abnormal operating condition in any one of the  
20 server platforms;

the cross-platform system-fault warning system comprising:

(a) a plurality of fault detection modules, each of which is integrated in one of the  
server platforms for detecting whether the associated one of the server platforms has an  
abnormal operating condition, and if yes, capable of generating a text-based system-fault  
25 indicating file;

(b) a warning-message database, which stores a mapping table of warning messages toward system-fault indicating files, and which is linked to all the fault detection modules to receive the system-fault indicating file and capable of retrieving the corresponding warning message mapped to the received system-fault indicating file; and

5       (c) an e-mail server, which is internally linked to the warning-message database and externally linked to the network system, for transferring the warning message in e-mail via the network system to the workstations

8.       The cross-platform system-fault warning system of claim 7, wherein the system-fault indicating file is transferred via FTP to the warning-message database.

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